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Document 3

PAN 2003-339197

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Derwent Title **Method for controlling power of multi-channel signal in mobile communication system**

Patentee Details (GLDS) LG ELECTRONICS INC;(GLDS)

Inventor names KIM G J; KWON S I; LEE Y J; YOON S H; YOON Y U

Novelty A method for controlling the power of a multi-channel signal in a mobile communication system is provided to perform an **outer-loop** transmission **power control** about a supplemental channel using an acknowledgement/non-acknowledgement signal transmitted by a base station in case that an HARQ(Hybrid Automatic Repeat reQuest) process is performed on the supplemental channel of a reverse link.

Detailed Description A base station receives a pilot signal of a reverse link from an MS(Mobile Station)(S10,S11), and measures an SIR(Signal to Interference Ratio) of the pilot signal by an 1.25ms **power control** group unit(S12). The base station compares the measured SIR with a predetermined **power control** threshold value and generates a **power control** signal(S13). The MS changes the transmission **power** of the pilot signal according to the **power control** signal by Delta dB(S14). The base station checks a CRC(Cyclic Redundancy Check) of a fundamental channel(S16). If the CRC is good, the base station decreases the **power control** threshold value(S17). If the CRC is bad, the base station increases the **power control** threshold value (S17). The base station checks a CRC of a reverse supplemental channel (S19). If the CRC is good, the base station transmits an acknowledgement signal to the MS(S20). If the CRC is bad, the base station a non-acknowledgement signal to the MS(S20). The MS adjusts a gain value(Gs) of the reverse supplemental channel according to the received acknowledgement or non-acknowledgement signal(S21).

Use No Data

Advantage No Data

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Patent Family	Country & No.	Date	Kind	Derwent Week
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Derwent Class W02 Communications / Broadcasting, Radio and Line Transmission Systems.

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IPC H04B-007/005

Title Terms std; method control power multi channel signal mobile communicate system

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